



TREES, etc.



# OAK TREE REPORT

## **2-Story Custom Residence**

540 Thrift Road  
Malibu, Ca 90265

for

**Mr. & Mrs. Edward Makabi**  
5905 Beckford Ave.  
Tarzana, Ca 91356

by

***TREES, etc.***

[a division of RDI & Associates, Inc.]

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Project No. 880-1-12

Original Date: November 20, 2012

1<sup>st</sup> Revision Date: August 8, 2013

2<sup>nd</sup> Revision Date: September 30, 2013

# **OAK TREE REPORT** (2<sup>nd</sup> Revision)

## **2-Story Custom Residence**

**[OTP 2013-00019]**

**RDI Project No. 880-1-12**

The following are our field observations (of February 14, 2007, November 18, 2012 & July 19, 2013) and recommendations pertinent to the 18 Coast Live Oak (*Quercus agrifolia*) trees at (on-property) & 7 Coast Live Oak trees adjacent (off-property) to the above-mentioned site. This proposed 2-story residential project is located at 540 Thrift Rd. (APN 4464-012-016 & 039; Tract 10595) within an unincorporated Malibu area of Los Angeles County, Ca.

*This report is prepared in accordance with Section 22.56.2050 of the Los Angeles County "Oak Tree Permit Regulations (adopted September 13, 1988)" relating to the "Oak Tree Preservation Guidelines". It shall be the policy of Los Angeles County (LACo) to require the preservation of all Oak trees unless compelling reasons justify the removal of such trees. The policy shall apply to the removal, pruning, cutting and/or the encroachment into the Protected Zone of Oak trees. The Los Angeles County Fire Department – Forestry Division (LACoFD-FD) shall have the primary & overall responsibility to administer, evaluate and monitor this policy. No person, partnership, firm, corporation, government agency, or other legal entity shall cut, prune, relocate, endanger or damage any tree protected by ordinance on any public or private land within the unincorporated areas of LACo except in accordance with the conditions of a valid Oak Tree Permit issued by LACo pursuant to the provisions of Section 22.56.2050.*

*The Permit requirements of Section 22.56.2060 cover the "damaging or removing Oak trees is prohibited". Except as otherwise provided in Section 22.56.2070, a person shall not cut, destroy, remove, relocate, inflict damage or encroach into a Protected Zone of any tree of the Oak genus which is (a) 25" or more in circumference (8" in diameter) as measured at 4½' above mean natural grade; in the case of an Oak with more than one trunk, whose combined circumference of any two trunks is at least 38" (12" in diameter) as measured at 4½' above mean natural grade, on any lot or parcel of land within the unincorporated area of Los Angeles County, or (b) any tree that has been provided as a replacement tree, pursuant to Section 22.56.2180, on any lot or parcel of land within the unincorporated area of Los Angeles County, unless an Oak tree permit is first obtained as provided.*

Included within this report are the following: two (2) **TREE EVALUATIONS** (on-property trees ONLY – printed on both sides) sheets, two (2) **TREE CANOPY MEASUREMENTS** (on-property trees ONLY) sheets, one (1) **TREE EVALUATIONS** (off-property trees ONLY) sheet, one (1) **TREE CANOPY MEASUREMENTS** (off-property trees ONLY) sheet, and one (1) **TREE LOCATION MAP** (derived from the '10 scale' "Grading & Drainage Plan (sheet C-2)", as produced by Sassan Geosciences, Inc., revision dated September 16, 2013). It should be noted, that the Oak trees on the enclosed **TREE LOCATION MAP** are field surveyed by others.

### **Plan Review**

1. The following information was excluded from this report as it is covered in the previous reports: {1} "Photographs" were taken of each tree, both on-property & off-property that were inventoried as part of this project. For these photographs, please see the original Oak Tree Report (dated November 20, 2012) or the 1<sup>st</sup> Revision Oak Tree Report (dated August 8, 2013). {2} "Tree Valuation" calculations were completed for each proposed removal on-property Oak tree. For copies of these calculations, please see the 1<sup>st</sup> Revision Oak Tree Report (dated August 8, 2013). {3} "Compatible Native Plants w/in or Around Oak Tree Driplines" were previously included, but are not enclosed within this report. See the previous reports for this information.



## Revised OAK TREE REPORT

2-Story Custom Residence, LACo

RDI Project No.: 880-1-12

Page 2 of 6

2. Pursuant to the enclosed **TREE LOCATION MAP**, the following is proposed:

### Tree No(s). Disposition//Requested Encroachment

- 1 to 4 Removals = these 4 Coast Live Oak's shall be removed for project construction.
- 5 **SAVE** = site grading, a 2' high "retaining wall", a 2'x2'x2' "concrete sediment control box" & a 5'x8'x3' "discharge gravel surface" shall be constructed within this Coast Live Oak's Protected Zone, no closer than 10' from its trunk. 'Live wood' pruning is not required for this proposed encroachment. The on-property natural soil area within the dripline and/or Protected Zone of this tree shall be covered with natural Oak leaf mulch (preferably taken from the on-property non-diseased Oak trees that are to be removed).
- 6 to 15 Removals = these 10 Coast Live Oak's shall be removed for project construction. It should be noted the Oak tree #8 is actually 'undersized' in accordance with the LACo "Oak Tree Ordinance".
- 16 **SAVE** = lot grading, a 5'x10'x6' deep Septic Tank & a 12" wide concrete swale shall be constructed within this Coast Live Oak's dripline, no closer than 5' from its trunk. The excavation for the Septic Tank shall be dug by hand-work only! If Oak roots are encountered, only if approved by LACo, shall remain. Minor 'live wood' pruning is required for this proposed encroachment. The on-property natural soil area within the dripline and/or Protected Zone of this tree shall be covered with natural Oak leaf mulch (preferably taken from the on-property non-diseased Oak trees that are to be removed).
- 17 **SAVE** = the proposed construction on this lot will not encroach into the dripline and/or Protected Zone of this Coast Live Oak. 'Live wood' pruning is not required to occur to this Oak. The on-property natural soil area within the dripline and/or Protected Zone of this tree shall be covered with natural Oak leaf mulch (preferably taken from the on-property non-diseased Oak trees that are to be removed).
- 18 **SAVE** = the proposed construction of the back-yard (south side) retaining wall & 12" drainage swale shall encroach into this Coast Live Oak's Protected Zone, no closer than 3' from its dripline. 'Live wood' pruning is not required for this proposed encroachment. The on-property natural soil area within the dripline and/or Protected Zone of this tree shall be covered with natural Oak leaf mulch (preferably taken from the on-property non-diseased Oak trees that are to be removed).
- OP-1 **SAVE** = the proposed construction of the side-yard (west side) boundary wall shall encroach into this "off-property" Coast Live Oak's dripline, no closer than 3' from its trunk. The footing for this wall, when it occurs within this tree's Protected Zone, shall be hand-excavated. If any roots are encountered they shall be saved if possible. Some minor pruning may be required for this proposed encroachment. It should also be noted that within the Protected Zone, 2' from its dripline, a proposed Septic Tank shall be installed. The excavation for this tank should be no deeper than 6' deep. 'Live wood' pruning is not required for this excavation.
- OP-2 **SAVE** = the proposed construction of the side-yard (west side) boundary wall shall encroach into this "off-property" Coast Live Oak's dripline, no closer than 4' from its trunk. The footing for this wall, when it occurs within this tree's Protected Zone, shall be hand-excavated. If any roots are encountered they shall be cleanly excised. Pruning is not required for this proposed encroachment. 'Live wood' pruning is not required for this excavation.



## Revised OAK TREE REPORT

2-Story Custom Residence, LACo

RDI Project No.: 880-1-12

Page 3 of 6

### Tree No(s). Disposition//Requested Encroachment

- OP-3 **SAVE** = this "off-property" Coast Live Oak shall not be encroached upon from this project's proposed construction. Pruning is not required to occur to this Oak.
- OP-4 **SAVE** = lot grading, a 5'x10'x6' deep Septic Tank & the proposed construction of the side-yard (west side) boundary wall shall encroach into this "off-property" Coast Live Oak's dripline, no closer than 5' from its trunk. The excavation for the Septic Tank shall be dug by hand-work only! If Oak roots are encountered, only if approved by LACo, shall remain. The footing for this wall, when it occurs within this tree's Protected Zone, shall be hand-excavated. If any roots are encountered they shall be saved if possible. 'Live wood' pruning is not required for this proposed encroachment. The on-property natural soil area within the dripline and/or Protected Zone of this tree shall be covered with natural Oak leaf mulch (preferably taken from the on-property non-diseased Oak trees that are to be removed).
- OP-5 **SAVE** = this "off-property" Coast Live Oak shall not be encroached upon from this project's proposed construction. Pruning is not required to occur to this Oak. The on-property natural soil area within the dripline and/or Protected Zone of this tree shall be covered with natural Oak leaf mulch (preferably taken from the on-property non-diseased Oak trees that are to be removed).
- OP-6 **SAVE** = the proposed construction of the side-yard (east side) boundary wall shall encroach into this "off-property" Coast Live Oak's dripline, no closer than 15' from its trunk. The footing for this wall, when it occurs within this tree's Protected Zone, shall be hand-excavated. If any roots are encountered they shall be saved if possible. 'Live wood' pruning is not required for this proposed encroachment.
- OP-7 **SAVE** = the proposed construction of the side-yard (west side) boundary wall shall encroach into this "off-property" Coast Live Oak's dripline, no closer than 6' from its trunk. The footing for this wall, when it occurs within this tree's Protected Zone, shall be hand-excavated. If any roots are encountered they shall be saved if possible. 'Live wood' pruning is not required for this proposed encroachment. The on-property natural soil area within the dripline and/or Protected Zone of this tree shall be covered with natural Oak leaf mulch (preferably taken from the on-property non-diseased Oak trees that are to be removed).

In summary, the following is proposed:

Total quantity of Oaks that were inventoried =	25 (18 on-property & 7 off-property)
<b>SAVES</b> (with no encroachments) =	3 (17, OP-3 & OP-5)
<b>SAVES</b> (with dripline encroachments) =	6 (16, OP-1, OP-2, OP-4, OP-6 & OP-7)
<b>SAVES</b> (with Protected Zone encroachments) =	2 (5 & 18)
Removals =	14 (1 to 4, 6 to 15)

### Tree Replacement Program

1. This project shall plant 1-gallon "native" Coast Live Oak shrubs/trees as mitigation "replacements" for each approved removal (on a minimum 2:1 ratio). Therefore, this project shall plant a minimum of twenty-eight (28) 1-gallon "native" shrubs/trees as mitigation "replacements" for the proposed removal of the on-property 14 Coast Live Oaks (tagged: 1 to 4, 6 to 15).



## Revised OAK TREE REPORT

2-Story Custom Residence, LACo

RDI Project No.: 880-1-12

Page 4 of 6

2. Of these twenty-eight (28) 1-gallon "native" specimen Coast Live Oak shrubs/trees, 8 Oaks shall be planted on the rear slope of this site while the remaining 20 Oaks shall be planted on property held in public trust by the Mountains Restoration Trust (MRT).

### Tree Appraisal Information

1. Per the July 2013 request of the Los Angeles County Biologist Joseph Decruyenaere, we have appraised the values of the project's proposed removal Oak trees.
2. Many factors must be taken into consideration when determining the loss value of a property. Those details are provided in the most current edition of the *Guide for Plant Appraisal*. The three methods of appraisal are the 'Trunk Formula', the 'Replacement Cost', & the 'Cost of Cure'.
  - A. Trunk Formula Method - This method is recommended primarily for appraising trees considered too large to be replaced with nursery or field stock. It takes the basic value of the tree and adjusts that value according to the species, condition, and location ratings. Many factors are taken into account to arrive at each of these ratings.
  - B. Replacement Cost Method - This method is based on the cost of replacing the landscape plant in the same location with a plant of the same or comparable species and size. Consideration must be given to the condition and location of the plant to be replaced.
  - C. Cost of Cure Method - This method of appraisal determines the cost of the treatment necessary to return the property to a reasonable level of its original condition. This may include replacing a large tree with one or more smaller trees, repairing damage to trees worth saving, and rebuilding the hardscape involved.
2. For this project's proposed 14 removal trees, we used the Trunk Formula Method. See the tree value forms within this project's "1<sup>st</sup> Revision Oak Tree Report (dated August 8, 2013)" for those calculations. Our values are as follows:

<u>Tree No.</u>	<u>Value</u>	<u>Tree No.</u>	<u>Value</u>	<u>Tree No.</u>	<u>Value</u>
1	\$5,900	7	\$2,980	12	\$8,100
2	\$1,860	8	\$490	13	\$2,230
3	\$2,920	9	\$1,430	14	\$9,300
4	\$16,600	10	\$740	15	\$9,000
6	\$850	11	\$160		

### Previous Tree Reports for this property

1. Three (3) previous "Oak Tree Reports" were completed for this property by this Consulting Arborist (Oak Tree Consultant). The first one was dated June 11, 2007 (for Mr. Steve Paek, the previous owner); and the second (dated November 20, 2012) & third (dated August 8, 2013) were completed for the current property owner, Mr. Edward Makabi.



## Revised OAK TREE REPORT

2-Story Custom Residence, LACo

RDI Project No.: 880-1-12

Page 5 of 6

### Field Observations

1. **Overall, all of the sites trees are of poor quality (primarily due to over-crowding & past fires). Per my professional opinion, none of this project's "on-site" proposed removal trees are worth transplanting.**
2. The trees are inventoried as to their specie, health & aesthetic considerations. This inventory was reviewed in accordance with presently accepted industry procedures, which are of macro-visual observations only. No extensive microbiological, soil-root excavations, upper crown examination, nor internal tree investigations were conducted.
3. This project's on-property trees were tagged with rectangular (¾"x3") metal tags with numbers written in black on them. The report's inventoried off-property trees were not tagged, but are only map numbered & approximately located.
4. Definitions:
  - A. This inventory includes the measuring of trunk diameters of 8" & larger for a single trunk and 12" in diameter & larger for a multiple trunk (when the two largest trunks are added together) at 4½' above existing grade. It should be noted that the on-property Oak tree trunks were measured with a diameter tape, while the off-property Oak tree trunks were estimated in size(s). It should also be noted that these dimensions might change in the next growing season(s) following our initial field measurements.
  - B. The "dripline" or "canopy spread" is defined as the outermost edge of the tree's canopy when viewed from above. These measurements, taken in feet, were usually taken at four compass directions (north, south, east & west). If one or more sides is measured as "0" feet, this means that there is no canopy at that/those location(s). It should be noted that these dimensions might change in the next growing season(s) following our initial field measurements.
  - C. The "Protected Zone" is defined as the area at least 5' beyond the dripline or 15' from the trunk, whichever distance is greater, when viewed from above.
  - D. A "Heritage Oak" in Los Angeles County is any Oak tree that has at least one trunk that is at least 36" in diameter. It is also any Oak tree having a significant historical or have cultural importance to the community, not withstanding that the tree diameter is less than 36" (as identified officially by the local Los Angeles County Resource Conservation District). **None of this project's Oak trees are of the Heritage status!**

### Specific & Overall Recommendations

1. This Consulting Arborist should be on-site during all excavations within the driplines and/or Protected Zones of the remaining protected trees.
2. It should be noted that the proposed 1,500 gallon Septic Tank on this property shall be 5'x10'x6' deep in size. Its size was calculated in accordance with the guidelines as set forth by Los Angeles County. It will be located a minimum of 12' from the house & a minimum of 8' from the westerly Property Line.



## Revised OAK TREE REPORT

2-Story Custom Residence, LACo

RDI Project No.: 880-1-12

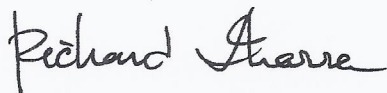
Page 6 of 6

3. Trees #5, #16, #17 and #18 shall be fenced with temporary chainlink (or similar) protective fences at the location of their approved encroachments prior to the start of any on-site grading. This fencing shall remain intact until this project's "Oak Tree Consultant" and/or the Los Angeles County Fire Department - Forestry Division (LACoFD-FD) allows it to be removed or relocated.
4. All footing & Septic Tank excavations within the driplines and/or Protected Zones shall be dug by hand work only, to a maximum depth of 5' (or to a depth that CAL-OSHA, OSHA or local codes allow). If any roots are encountered, they shall be saved it at all possible; otherwise they shall be cleanly excised (& not sealed). Any excavation below the "approved" depth may be done with acceptable machinery.
5. Soil compaction within the dripline and/or root zone shall be minimized. No equipment, spoils or debris shall be stored within the dripline and/or Protected Zone of the saved tree(s). No dumping of liquids or solvents, cleaning fluids, paints, concrete washout or other harmful substances within the driplines and/or Protected Zones shall be permitted.
6. All work, to this project's native Oak trees, shall be in accordance with the LACo 'Oak Tree Ordinance' and tree policies.
7. Copies of this report and the 'Oak Tree Ordinance' shall be maintained on site during all project construction.
8. Prior to the completion of this project, **RDI & Associates, Inc. (dba TREES, etc.)** shall certify in a 'letter of compliance', that the 'Oak Tree Ordinance' and all concerned tree policies have been adhered to.

**NOTICE of DISCLAIMER** = Opinions given in this report are those of **RDI & Associates, Inc. (dba TREES, etc.)**, and are derived from current professional standards based on visual recordings at the time of inspection. This visual record does not include aerial or subterranean inspections, and therefore may not reveal existing hidden hazards. Records may not remain accurate after inspection due to changeable deterioration of the inventoried plant material. **RDI & Associates, Inc. (dba TREES, etc.)**, provides no warranty regarding errors of omission resulting from the lack of communication of facts available only to the requester of this report which are expressed or implied as to the fitness of the urban forests for safe uses. **RDI & Associates, Inc. (dba TREES, etc.)** has no past, present or future interest in this property or the subject trees. This report may not be reproduced without the expressed written permission of **RDI & Associates, Inc. (dba TREES, etc.)**. Any change or alteration to this report invalidates the entire report.

If you have any further questions, please do not hesitate to call **RDI & Associates, Inc. (dba TREES, etc.)**.

Sincerely,  
**RDI & Associates, Inc.**  
dba **TREES, etc.**



Richard Ibarra, President  
(OAK TREE CONSULTANT)

880otr-1[c]



# TREE EVALUATIONS

## [on-property Oaks]

The inventory Health & Aesthetic Ratings of the trees are explained in the following:

The Health of the trees was visually determined from the following macroscopic inspection of signs and symptoms of disease.

- A. Excellent (31 to 35 points) - This tree is a healthy & vigorous tree characteristic of its species and free of any visible signs of disease or pest infestation.
- B. Good (26 to 30 points) - This tree is a healthy & vigorous tree. However, there are minor visible signs of disease and pest infestation.
- C. Fair (16 to 25 points) - This tree is healthy in overall appearance, but there is a normal amount of disease and/or pest infestation.
- D. Poor\* (11 to 15 points) - This tree is characterized by exhibiting a greater degree of disease and/or pest infestation or structural instability than normal and appears to be in a state of decline.
- E. Very Poor\* (6 to 10 points) - This tree exhibits extensive signs of dieback.
- F. Dead\* (0 points) - This tree exhibits no signs of life at the time of field evaluation.

\* A tree rating of "D" and lower is in low vigor and naturally a meaningful level of recovery is doubtful. Removal should be considered if it is within the proposed development.

The Aesthetic quality of the trees was visually determined from the following overall inspection of appearance.

- A. Excellent - This tree is visually symmetrical, having the ideal form and appearance for the species.
- B. Good to Fair - This tree, though non-symmetrical, has an appealing form for the species with very little dieback of foliage or twigs/branches.
- C. Poor - This tree is non-symmetrical for the species with an unappealing form and/or has much dieback of foliage and twigs/branches.
- D. Very Poor - This tree has few, if any, positive characteristics and may detract from the beauty of the landscape.



# **TREE EVALUATIONS**

Date of Inspection 2-14-07 & 11-18-12, 7/19/13

Page 1/2

TOTAL POINTS	CLASS	GRADE
31 to 35	Excellent	A
26 to 30	Good	B
16 to 25	Fair	C
11 to 15	Poor	D
6 to 10	Very Poor	E
0	Dead	F

TREE NUMBER		1	2	3	4	5	6	7	8	9	10
FACTORS	POINTS										
<b>CROWN DEVELOPMENT</b>											
Well Balanced	5 points										
Lacking Natural Symmetry	3 points	X		X	X	X					
Lacking a Full Crown	1 point		X				X	X	X	X	X
<b>TRUNK CONDITION</b>											
Sound & Solid	5 points			X		X		X			
Section of Bark Missing:											
Less Than 1/4 Around	4 points										
1/4 to 1/2 Around	3 points										
1/2 Or More Around	2 points										
Stump with New Basal Growth	1 point										
Extensive Decay or Hollow Trunk	0 points	X	X		X		X		X	X	X
<b>BRANCH STRUCTURE</b>											
No Defects	5 points										
Dieback (Limited)	4 points										
Few Structurally Dead or Broken Branches	3 points	X		X	X	X					
Many Structurally Dead or Broken Branches	1 point		X				X	X	X	X	X
<b>TWIG GROWTH</b>											
Typical for Species & Age	5 points	X		X	X	X					
Less Than 1/2 Normal	3 points		X				X	X	X	X	X
Growth Greatly Reduced	1 point										
<b>FOLIAGE</b>											
Normal Size & Color	5 points										
Minor Deficiency Symptoms	3 points	X		X	X	X					
Major Deficiency Symptoms	1 point		X				X	X	X	X	X
<b>INSECTS &amp; DISEASES</b>											
No Insects or Diseases Apparent	5 points										
Few Controllable Insects/Diseases Apparent	3 points	X	X	X	X	X	X	X	X	X	X
Severe Infestation	1 point										
<b>ROOTS</b>											
No Root Problems Apparent	5 points										
Minor Root Problems	3 points	X	X	X	X	X	X	X	X	X	X
Severe Root Problems	1 point										
<b>TOTAL POINTS</b>		20	12	25	20	25	12	17	12	12	12
<b>Aesthetic Grade</b>		C	D	C	C	C	D	D	D	D	D

## **ADDITIONAL COMMENTS**

QA = Quercus agrifolia  
 BC = Branch Cavities  
 B = Borers  
 WP = Water Pocket  
 OT = Old tag  
 L = Leaning

12.15", 15.9" x 30"  
 BC, B, WP (OT#46) QA  
 9.9" x 30"  
 BC, L  
 5.6", 19" x 30"  
 BC, B (OT#56) QA  
 22.1", 26.2" x 35"  
 BC, B  
 17.6", 18.8" x 30"  
 BC, WP, L  
 9.25" x 20"  
 BC, B, L (OT#54) QA  
 20.15" x 30"  
 BC, L  
 5.65" x 10"  
 BC, B, L (OT#48) QA  
 13.15" x 20"  
 BC, B (OT#49) QA  
 8.3" x 15"  
 BC, B (OT#50) QA



# **TREE EVALUATIONS**

Date of Inspection 2-14-07 & 11-18-12, 7/19/13

Page 2

TOTAL POINTS	CLASS	GRADE
31 to 35	Excellent	A
26 to 30	Good	B
16 to 25	Fair	C
11 to 15	Poor	D
6 to 10	Very Poor	E
0	Dead	F

TREE NUMBER		11	12	13	14	15	16	17	18		
FACTORS	POINTS										
CROWN DEVELOPMENT											
Well Balanced	5 points										
Lacking Natural Symmetry	3 points		X		X	X			X		
Lacking a Full Crown	1 point	X		X			X	X			
TRUNK CONDITION											
Sound & Solid	5 points		X	X	X				X		
Section of Bark Missing:											
Less Than ¼ Around	4 points										
¼ to ½ Around	3 points										
½ Or More Around	2 points										
Stump with New Basal Growth	1 point										
Extensive Decay or Hollow Trunk	0 points	X				X	X	X			
BRANCH STRUCTURE											
No Defects	5 points										
Dieback (Limited)	4 points										
Few Structurally Dead or Broken Branches	3 points		X		X	X			X		
Many Structurally Dead or Broken Branches	1 point	X		X			X	X			
TWIG GROWTH											
Typical for Species & Age	5 points		X		X	X			X		
Less Than ½ Normal	3 points										
Growth Greatly Reduced	1 point	X		X			X	X			
FOLIAGE											
Normal Size & Color	5 points										
Minor Deficiency Symptoms	3 points		X		X	X			X		
Major Deficiency Symptoms	1 point	X		X			X	X			
INSECTS & DISEASES											
No Insects or Diseases Apparent	5 points										
Few Controllable Insects/Diseases Apparent	3 points	X	X	X	X	X	X	X	X		
Severe Infestation	1 point										
ROOTS											
No Root Problems Apparent	5 points										
Minor Root Problems	3 points	X	X	X	X	X	X	X	X		
Severe Root Problems	1 point										
TOTAL POINTS		10	25	15	25	20	10	10	25		
Aesthetic Grade		D	C	D	C	C	D	D	C		

## **ADDITIONAL COMMENTS**

QA = Quercus agrifolia  
 BC = Branch Cavities  
 B = Borers  
 L = Leaning  
 OT = old tag

8.0" x 15' BC, B, L	23.8" x 35' BC	17.1" x 25' BC, L	16.3" x 19.8" x 35" BC (OT # 51)	25.15" x 30" BC (OT # 39)	13.6" x 25' BC (OT # 40)	24.8" x 30' BC (OT # 34)	19.15" x 30' BC, B		
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# TREE CANOPY MEASUREMENTS

[on-property Oaks]

[four-point driplines (north, south, east & west)]



## DRIPLINE MEASUREMENTS @ 4 compass points

[illegible]



# TREE EVALUATIONS

## [off-property Oaks]

The inventory Health & Aesthetic Ratings of the trees are explained in the following:

The Health of the trees was visually determined from the following macroscopic inspection of signs and symptoms of disease.

- A. Excellent (31 to 35 points) - This tree is a healthy & vigorous tree characteristic of its species and free of any visible signs of disease or pest infestation.
- B. Good (26 to 30 points) - This tree is a healthy & vigorous tree. However, there are minor visible signs of disease and pest infestation.
- C. Fair (16 to 25 points) - This tree is healthy in overall appearance, but there is a normal amount of disease and/or pest infestation.
- D. Poor\* (11 to 15 points) - This tree is characterized by exhibiting a greater degree of disease and/or pest infestation or structural instability than normal and appears to be in a state of decline.
- E. Very Poor\* (6 to 10 points) - This tree exhibits extensive signs of dieback.
- F. Dead\* (0 points) - This tree exhibits no signs of life at the time of field evaluation.

\* A tree rating of "D" and lower is in low vigor and naturally a meaningful level of recovery is doubtful. Removal should be considered if it is within the proposed development.

The Aesthetic quality of the trees was visually determined from the following overall inspection of appearance.

- A. Excellent - This tree is visually symmetrical, having the ideal form and appearance for the species.
- B. Good to Fair - This tree, though non-symmetrical, has an appealing form for the species with very little dieback of foliage or twigs/branches.
- C. Poor - This tree is non-symmetrical for the species with an unappealing form and/or has much dieback of foliage and twigs/branches.
- D. Very Poor - This tree has few, if any, positive characteristics and may detract from the beauty of the landscape.



# **TREE EVALUATIONS**

Date of Inspection 2-14-07 ÷ 11-18-12, 7/19/13

Page 1/1

TOTAL POINTS	CLASS	GRADE
31 to 35	Excellent	A
26 to 30	Good	B
16 to 25	Fair	C
11 to 15	Poor	D
6 to 10	Very Poor	E
0	Dead	F

**TREE NUMBER**

FACTORS	POINTS	OP 1	OP 2	OP 3	OP 4	OP 5	OP 6	OP 7			
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## **CROWN DEVELOPMENT**

Well Balanced	5 points		X								
Lacking Natural Symmetry	3 points	X			X	X	X	X			
Lacking a Full Crown	1 point			X							

## **TRUNK CONDITION**

Sound & Solid	5 points	X	X		X	X		X			
Section of Bark Missing:											
Less Than ¼ Around	4 points										
¼ to ½ Around	3 points										
½ Or More Around	2 points										
Stump with New Basal Growth	1 point										
Extensive Decay or Hollow Trunk	0 points			X			X				

## **BRANCH STRUCTURE**

No Defects	5 points										
Dieback (Limited)	4 points							X			
Few Structurally Dead or Broken Branches	3 points	X	X		X	X	X				
Many Structurally Dead or Broken Branches	1 point			X							

## **TWIG GROWTH**

Typical for Species & Age	5 points	X	X		X	X	X	X			
Less Than ½ Normal	3 points										
Growth Greatly Reduced	1 point			X							

## **FOLIAGE**

Normal Size & Color	5 points										
Minor Deficiency Symptoms	3 points	X	X		X	X	X	X			
Major Deficiency Symptoms	1 point			X							

## **INSECTS & DISEASES**

No Insects or Diseases Apparent	5 points										
Few Controllable Insects/Diseases Apparent	3 points	X	X		X	X	X	X			
Severe Infestation	1 point			X							

## **ROOTS**

No Root Problems Apparent	5 points										
Minor Root Problems	3 points	X	X	X	X	X	X	X			
Severe Root Problems	1 point										

**TOTAL POINTS**    25    27    8    25    25    20    26

**Aesthetic Grade**    C    B    D    C    C    C    B

## **ADDITIONAL COMMENTS**

QA = Quercus agrifolia  
 BC = Branch Cavities  
 B = Borers  
 WP = Water Pocket  
 OT = Old tag

17" x 30" BC, B, OT #45 QA	18" x 35" BC, B, OT #44 QA	20" x 30" BC, B, WP, OT #39 QA	19" x 40" BC, B, OT #42 QA	20" x 35" BC, B, OT #56 QA	17" x 16" x 40" BC, B, WP, OT #64 QA	16" BC, WP QA
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# TREE CANOPY MEASUREMENTS

[off-property Oaks]

[four-point driplines (north, south, east & west)]



## DRIPLINE MEASUREMENTS @ 4 compass points

[illegible]

RDI Project No.:

Date: \_\_\_\_\_

Page:



# TREE LOCATION MAP

[Oak Trees]